



MERL-1552

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Frisken, et al.

:  
: Art Unit: Unknown

Serial No: 10/802,431

:  
: Examiner: Unknown

Filed: March 16, 2004

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Title: Method for Antialiasing a Set of Objects Represented as a  
Set of Two-Dimensional Distance Fields in Object-Order

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
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Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the  
following documents (copies enclosed) listed on the attached copy  
of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

X 1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

   1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

AND is accompanied by either:  
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\_\_\_\_\_ the Certification under 37 CFR  
1.97(e) as set out below; OR

\_\_\_\_\_ the fee of \$240.00 under 37 CFR  
1.17(p) .

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- (2) Petition is hereby made under 37 CFR  
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Information Disclosure Statement; AND,
- (3) Authorization to charge the petition fee  
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If this Information Disclosure Statement is being filed  
under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby

certifies that:

— each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

or

— no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

MERL-1552

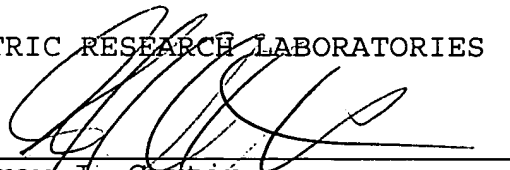
Authorization is hereby given to charge the indicated fee(s)  
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Please charge any additional fee due for this paper to  
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Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

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Enclosures

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Form PTO-144 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MERL-1552	Serial Number: 10/802,431
<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)		Applicant: Frisken, et al.	
		Filing date: March 16, 2004	Group art area:

**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate
	6,188,385	2/13/2001	Hill, et al.	345	136	
	6,396,492	5/28/2002	Frisken, et al.	345	420	

**FOREIGN PATENT DOCUMENTS**

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1.	Perry, et al., "Kizamu: A System for Sculpting Digital Characters," Proceedings ACM SIGGRAPH 2001, pp. 47-56, 2001.	
2.	Frisken, et al., "Adaptively Sampled Distance Fields: a General Representation of Shape for Computer Graphics," Proceedings ACM SIGGRAPH 2000, pp. 249-254, 2000.	
3.	Sederberg, et al., "Geometric Hermite Approximation of Surface Patch Intersection Curves," CAGD, 8(2), pp. 97-114, 1991.	
4.	Platt, in "Optimal Filtering for Patterned Displays," IEEE Signal Processing Letters, 7(7), pp. 179-180, 2000.	
5.	Hoff, et al., "Fast and Simple 2D Geometric Proximity Queries Using Graphics Hardware," Proc. Interactive 3D Graphics'01, 2001.	
Examiner:		Date Considered:
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.		